

Appl. No. : 10/036,160  
Filed : December 26, 2001

### AMENDMENTS TO THE CLAIMS

1-21. (Cancelled).

22. (Currently amended) An isolated polypeptide having at least ~~80%~~95% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of SEQ ID NO:45;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO:45, lacking its associated signal peptide;
- (c) ~~the amino acid acids 77-310 sequence of the extracellular domain~~ of the polypeptide of SEQ ID NO:45, ~~wherein the extracellular domain is amino acids 77-310;~~  
or
- (d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203966, and  
wherein said isolated polypeptide has the ability to induce chondrocyte redifferentiation.

23. (Currently amended) The isolated polypeptide of Claim 22 having at least ~~85%~~96% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of SEQ ID NO:45;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO:45, lacking its associated signal peptide;
- (c) ~~the amino acid acids 77-310 sequence of the extracellular domain~~ of the polypeptide of SEQ ID NO:45, ~~wherein the extracellular domain is amino acids 77-310;~~  
or
- (d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203966; and  
wherein said isolated polypeptide has the ability to induce chondrocyte redifferentiation.

24. (Currently amended) The isolated polypeptide of Claim 22 having at least ~~90%~~97% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of SEQ ID NO:45;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO:45, lacking its associated signal peptide;

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(c) ~~the amino acid acids 77-310 sequence of the extracellular domain~~ of the polypeptide of SEQ ID NO:45, ~~wherein the extracellular domain is amino acids 77-310;~~  
or

(d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203966; and  
wherein said isolated polypeptide has the ability to induce chondrocyte redifferentiation.

25. (Currently amended) The isolated polypeptide of Claim 22 having at least 95% 98% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO:45;

(b) the amino acid sequence of the polypeptide of SEQ ID NO:45, lacking its associated signal peptide;

(c) ~~the amino acid acids 77-310 sequence of the extracellular domain~~ of the polypeptide of SEQ ID NO:45, ~~wherein the extracellular domain is amino acids 77-310;~~  
or

(d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203966; and  
wherein said isolated polypeptide has the ability to induce chondrocyte redifferentiation.

26. (Currently amended) The isolated polypeptide of Claim 22 having at least 99% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO:45;

(b) the amino acid sequence of the polypeptide of SEQ ID NO:45, lacking its associated signal peptide;

(c) ~~the amino acid acids 77-310 sequence of the extracellular domain~~ of the polypeptide of SEQ ID NO:45, ~~wherein the extracellular domain is amino acids 77-310;~~  
or

(d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203966; and  
wherein said isolated polypeptide has the ability to induce chondrocyte redifferentiation.

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27. (Currently amended) An isolated polypeptide comprising:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO:45;
  - (b) the amino acid sequence of the polypeptide of SEQ ID NO:45, lacking its associated signal peptide;
  - (c) ~~the amino acid~~ acids 77-310 ~~sequence of the extracellular domain~~ of the polypeptide of SEQ ID NO:45, ~~wherein the extracellular domain is amino acids 77-310;~~  
or
  - (d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203966.
28. (Previously presented) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the polypeptide of SEQ ID NO:45.
29. (Previously presented) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the polypeptide SEQ ID NO:45, lacking its associated signal peptide.
30. (Currently amended) The isolated polypeptide of Claim 27 comprising the amino acid ~~acids 77-310~~ sequence of the extracellular domain of the polypeptide of SEQ ID NO:45, ~~wherein the extracellular domain is amino acids 77-310.~~
31. (Cancelled)
32. (Previously presented) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203966.
33. (Previously presented) A chimeric polypeptide comprising a polypeptide according to Claim 22 fused to a heterologous polypeptide.
34. (Previously presented) The chimeric polypeptide of Claim 33, wherein said heterologous polypeptide is a tag polypeptide or an Fc region of an immunoglobulin.